

20010621.qrp v02_n227.qrl.20010621

Date: Thu, 21 Jun 2001 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2227

QRP-L Digest 2227

Topics covered in this issue include:

- 1) [100602] RE: Digital Pictures
by "Ed Tanton" <n4xy@att.net>
- 2) [100603] Re: SMK-1 kits sold out
by "Brian Murrey" <bmurrey@amexol.net>
- 3) [100604] Re: SMK-1 kits sold out
by Barry Minsky <barry@minsky.org>
- 4) [100605] Need a little ID help!
by "ZOOM" <kandrparker@sympatico.ca>
- 5) [100606] Re: Digital Pictures
by "Alan Fryer" <qrpdx@earthlink.net>
- 6) [100607] Re: Need a little ID help!
by "George, W5YR" <w5yr@att.net>
- 7) [100608] FYI: Great Atomic Clock at SAMS...
by "Jerry McCollom" <w0mc@club-pre.org>
- 8) [100609] Re: Need a little ID help!
by Louis Hlousek <lhlousek@nvhbell.net>
- 9) [100610] Re: Need a little ID help!
by "George, W5YR" <w5yr@att.net>
- 10) [100611] Re: Need a little ID help!
by "ZOOM" <kandrparker@sympatico.ca>
- 11) [100612] Wire Fence as Radials
by Somerville <somerville@uniserve.com>
- 12) [100613] NEQRP CW Net, Thursday, 21 June, 8:30 PM EDT, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 13) [100614] Western Carolina QRP FD
by Paul Stroud <aa4xx@ipass.net>
- 14) [100615] Re: Meters almost gone...and a request
by Bill Miner <wg6h@postoffice.pacbell.net>
- 15) [100616] Re: Wire Fence as Radials
by "George, W5YR" <w5yr@att.net>
- 16) [100617] fs icom fl100
by "Michael Herman" <kc9nf@hotmail.com>
- 17) [100618] Re: Wire Fence as Radials
by "Phil (VA3UX)" <phil@vaxxine.com>
- 18) [100619] Re: Digital Pictures
by "Randall Jouett" <rules@bellsouth.net>
- 19) [100620] Re: Digital Pictures

- by "Randall Jouett" <rules@bellsouth.net>
- 20) [100621] ALS-600
by dave <dave@dpomeroy.com>
- 21) [100622] Re: Digital Pictures
by <baltimoremd@baltimoremd.com>
- 22) [100623] Re: Digital Pictures
by "Randall Jouett" <rules@bellsouth.net>
- 23) [100624] PW-1 vs. MP-1
by BenNW7DX@aol.com
- 24) [100625] psk80 cap question - pos. or neg.
by Nancy Rabel Hall <kc4iyd@yahoo.com>
- 25) [100626] Re: psk80 cap question - pos. or neg.
by Phil Wheeler <w7ox@earthlink.net>
- 26) [100627] Field Day Rule Question
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 27) [100628] Re: psk80 cap question - pos. or neg.
by "George Heron N2APB" <n2apb@erols.com>
- 28) [100629] Re: Wire Fence as Radials
by Pete Burbank <plburbank@kih.net>
- 29) [100630] Re: psk80 cap question - pos. or neg.
by "George, W5YR" <w5yr@att.net>
- 30) [100631] Re: PW-1 vs. MP-1
by DYARNES@aol.com
- 31) [100632] Re: Digital Pictures
by George Gingell <k3tks@u1.abs.net>
- 32) [100633] Re: Need a little ID help!
by "David B. Rogers" <dr7zyq@nidlink.com>
- 33) [100634] Re: 2N2222 receiver
by Junichi Nakajima <nakaji@crl.go.jp>
- 34) [100635] Re: Need a little ID help!
by "David B. Rogers" <dr7zyq@nidlink.com>
- 35) [100636] Re: Field Day Rule Question
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 36) [100637] CQC Field Day Stations
by "AB0CD" <ab0cd@uswest.net>
- 37) [100638] AZScQRPions meeting?
by Bill Walker <kd7jzb@mindspring.com>
- 38) [100639] CQ Gary NQ7T
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 39) [100640] Re: FD computer logging/keying question
by "Mark J. Dulcey" <mark@buttery.org>
- 40) [100641] Non QRP FS--718
by "elawson" <elawson@lawson-philpot.com>
- 41) [100642] Note to all clubs and FD ops!
by Shephed@aol.com
- 42) [100643] Re: FD computer logging/keying question
by <don.chisholm@home.com>
- 43) [100644] RE: Field Day Rule Question

- by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 44) [100645] Re: FYI: Great Atomic Clock at SAMS...
by "Jerry McCollom" <w0mc@club-pre.org>
- 45) [100646] Re: FYI: Great Atomic Clock at SAMS...
by "John J. McDonough" <wb8rcr@arrl.net>
- 46) [100647] Re: FYI: Great Atomic Clock at SAMS...
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 47) [100648] Re: FD computer logging/keying question
by "Mark J. Dulcey" <mark@buttery.org>
- 48) [100649] newbe
by Bruce Rattray <rattray@gpfn.sk.ca>
- 49) [100650] Re: Need a little ID help!
by "George, W5YR" <w5yr@att.net>
- 50) [100651] _ham radio_ on CD
by "laura halliday" <marsgal42@hotmail.com>
- 51) [100652] Re: newbe
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 52) [100653] Re: 5A0HV QSL route?
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 53) [100654] Re: is there a best way to start building a kit?
by "Mike Yetsko" <myetsko@insydesw.com>
- 54) [100655] Old Zener Diode Search
by Marcus Harton <MHarton@freedomforum.org>
- 55) [100656] Re: Old Zener Diode Search
by Fran Flynn <fflynn@adelphia.net>
- 56) [100657] RE: Old Zener Diode Search
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 57) [100658] FD in Southern Wisconsin?
by "Aartec" <aartec@dwx.com>
- 58) [100659] RE: Old Zener Diode Search
by Marcus Harton <MHarton@freedomforum.org>
- 59) [100660] RE: Old Zener Diode Search
by Pete Burbank <plburbank@kih.net>
- 60) [100661] Re: SMK-1 kits sold out
by Bob Nielsen <nielsen@oz.net>
- 61) [100662] RE: Old Zener Diode Search
by Fran Flynn <fflynn@adelphia.net>

Date: Wed, 20 Jun 2001 19:09:40 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100602] RE: Digital Pictures
Message-ID: <CKEGICNFDIMCEKEDCEHF0EGFHIAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

```
///  
>  
>And just as silly.  
>For pictures that will be displayed on a CRT there is absolutely no  
>need or use for the resolution of even a poor film.  
>There is also rarely a need for more than 640x480 if the pics are  
>for web use.  
>  
///  

```

Absolutely not true. Granted there may still be some people using composite monitors out there, but the usual numbers from Hitometer (which, in addition to counting hits, also records operating system, screen resolution, and other factors of interest about your visitors, and compiles them into a weekly report) reported the following for my website last week (and these are typical numbers):

SCREEN RESOLUTION

1024x768	38.7%
800x600	31.3%
Unreported	14.0%
640x480	4.7%
1600x1200	4.0%
1152x864	2.7%
1024x747	2.0%
832x624	1.3%
800x553	0.7%
1280x1024	0.7%

COLOR DEPTH

65536 (16 bit)	44.0%
32 bit	23.3%
16 million (24 bit)	17.3%
Unreported	14.0%
256 (8 bit)	1.3%

The 640x480 256-color screen days are pretty much over, and good riddance. As can be seen from the above figures, almost 80% of my visitors had screens capable of 800x600 with at least 65000 colors; and more than 48% a resolution of 1024x747/768. My own screen runs at 1024x768 at 32bit 'True Color' and can EASILY discern between film and less-than-PRO digital photos. In fact, I once emailed a fellow because I was struck by the clarity and richness of his SP-600's photo. Found out he had borrowed one of his office Minolta \$5000 digitals. And it didn't take a blow-up to spot it. It was obvious immediately in even a small size.

Do you have to have a \$5000 camera these days to take nice web photos? Nope. Many of the 2 megapixel (or more) cameras can do a great job... but don't PLAN for 640x480. Take the highest resolution shots you can, and reduce the size as appropriate for your website.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 20 Jun 2001 18:08:33 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: <WA6GER@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100603] Re: SMK-1 kits sold out
Message-ID: <000b01c0f9de\$0a3b7aa0\$e2486f40@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

NO! Thank YOU and Norcal for getting us a wonderful little kit. I insist!

<g>

----- Original Message -----

From: <WA6GER@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 20, 2001 3:51 PM
Subject: SMK-1 kits sold out

> It seems like we have been doing this NorCal club project for ages, and that

> jillions have been bought, proving that hams will embrace new technology.
>
> Everyone involved in this project thanks you for making this kit the
success
> that it has been.
>
> jim, WA6GER for NorCal and the project crew.
>

Date: Sun, 20 May 2001 20:04:45 -0400
From: Barry Minsky <barry@minsky.org>
To: <WA6GER@aol.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [100604] Re: SMK-1 kits sold out
Message-ID: <B72DD3DD.4D3%barry@minsky.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

on 6/20/01 16:51, WA6GER@aol.com at WA6GER@aol.com wrote:

> It seems like we have been doing this NorCal club project for ages, and that
> jillions have been bought, proving that hams will embrace new technology.
>
> Everyone involved in this project thanks you for making this kit the success
> that it has been.
>
> jim, WA6GER for NorCal and the project crew.
>
Hi Jim,
Thank you and NorCal for all the great things you do.
Barry, W2BJ

Date: Wed, 20 Jun 2001 19:48:02 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100605] Need a little ID help!
Message-ID: <000e01c0f9e3\$720693e0\$3294fea9@roberttpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi;

A little unrelated but still a radio accessory. Does anyone know what this is? I'm guessing it's a frequency meter! Also does anyone have a manual or a copy of one?

I figure i would send this out since this group is very knowledgeable and I'm sure many of you have used or seen this item. Approximate date of manufacture and proper way to use it would be helpful to.

<http://valveman.tripod.ca/Gimix.jpg>

Thank you

Robert

VE3RPF

Date: Wed, 20 Jun 2001 20:20:20 -0400

From: "Alan Fryer" <qrpdx@earthlink.net>

To: <michaeln@cfl.rr.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [100606] Re: Digital Pictures

Message-ID: <00d801c0f9e7\$f6aa6e60\$b6c5323f@hppav>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Absolutely. That's what makes a camera such as the low end Sony Mavica with the 2 1/2 inch disc so attractive for Internet pix mailing...

Alan, N3BJ

----- Original Message -----

From: "Michael Neverdosky" <michaeln@cfl.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, June 20, 2001 5:27 PM

Subject: Re: Digital Pictures

> At 08:27 PM 06/19/2001, you wrote:

> >The debate between digital cameras and "real" cameras is much

> >like the debate between the Internet and CW.

>

>

> And just as silly.

> For pictures that will be displayed on a CRT there is absolutely no

> need or use for the resolution of even a poor film.

> There is also rarely a need for more than 640x480 if the pics are

> for web use.
>
> Good lighting, good composition and choosing the right compression
> system are the keys to good pics online.
> Tip, use gif for line art and schematics.
>
>
> michael AMA 77292 N6CHV
>

Date: Wed, 20 Jun 2001 19:24:45 -0500
From: "George, W5YR" <w5yr@att.net>
To: kandrparker@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100607] Re: Need a little ID help!
Message-ID: <3B313ECD.B3B100F6@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sure, Robert, it is a Bud absorption wavemeter. And bandswitching at that!

It consists of a parallel tuned circuit connected to a diode "detector" to some sort of indicator - probably a small "dial light" on the upper right. The toggle switch is the bandswitch that chooses taps on the coil - the marking match up with those on the tuning dial markings. The jack at the bottom is for either a pair of phones to listen to the demodulated AM on the signal (if any) or for a meter to get a relative signal strength indication.

These were very common back in the 40's as monitors, etc. I had a home-built one (what else!) that I used to work a neighbor about 3 miles away out in the country on 75 phone.

HAven't seen one of these in many years . . .

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

ZOOM wrote:

>
> Hi;
> A little unrelated but still a radio accessory. Does anyone know what this
> is? I'm guessing it's a frequency meter! Also does anyone have a manual or
> a copy of one?
> I figure i would send this out since this group is very knowledgeable and
> I'm sure many of you have used or seen this item. Approximate date of
> manufacture and proper way to use it would be helpful to.
>
> <http://valveman.tripod.ca/Gimix.jpg>
>
> Thank you
> Robert
> VE3RPF

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Wed, 20 Jun 2001 18:24:57 -0600
From: "Jerry McCollom" <w0mc@club-pre.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100608] FYI: Great Atomic Clock at SAMS...
Message-ID: <000901c0f9e8\$9c71b380\$baac11d8@dsl.frii.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow QRP-L-ers:

I found what I think is the perfect station clock for me at SAMS today:

- * Large Digits (don't have specs, but appear to be 2")
- * Syncs to WWVB
- * Displays GMT or local time zones (from 0 to -11!)
- * Includes indoor and outdoor temp -- the outdoor sensor is wireless (433MHz)
- * Temps can be displayed in C or F.
- * Calendar with month/day
- * Can show day name, seconds, or year in lower-middle-pannel.

The kicker is it is only \$22.95 -- I think the comparable-in-size (but not

features) Radio Shack clock retails for upwards of \$35. I bought one for myself and another to pay off a small debt to a fellow ham.

Just an FYI....

73,
Jerry
W0MC
Fort Collins, CO

SuperFest 2001 14-Jul-2001 ***
<http://www.qsl.net/n0rc/hamfest/hamfest.html> *** BE THERE!

Date: Wed, 20 Jun 2001 17:25:57 -0700
From: Louis Hlousek <lhhousek@nvhbell.net>
To: kandrparker@sympatico.ca, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [100609] Re: Need a little ID help!
Message-ID: <01d201c0f9e8\$bd959680\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

<http://www.qsl.net/n4xy/gdos.html> has info on your Bud Gimix grid dip meter.

Lou W7DZN

Date: Wed, 20 Jun 2001 19:35:50 -0500
From: "George, W5YR" <w5yr@att.net>
To: lhhousek@nvhbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [100610] Re: Need a little ID help!
Message-ID: <3B314166.9E89776B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry, Lou, but it is NOT a grid-dip meter! <:}

No tubes - no grids to dip!

It could be used as a very approximate frequency meter by tuning the dial for max signal, but it mostly just told you what band you were in.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Louis Hlousek wrote:

>
> <http://www.qsl.net/n4xy/gdos.html> has info on your Bud Gimix grid dip
> meter.
>
> Lou W7DZN

Date: Wed, 20 Jun 2001 20:21:09 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100611] Re: Need a little ID help!
Message-ID: <002801c0f9e8\$128663a0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thankyou to all who responded. Your input was much appreciated. Now I'll put it back on the shelf with the rest of my collection of accessories and tag it with the information I received.

Cheers,
Robert
VE3RPF

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 20, 2001 8:35 PM
Subject: Re: Need a little ID help!

> Sorry, Lou, but it is NOT a grid-dip meter! <:}
>
> No tubes - no grids to dip!

>
> It could be used as a very approximate frequency meter by tuning the dial
> for max signal, but it mostly just told you what band you were in.
>
> --
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
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>
>
> Louis Hlousek wrote:
> >
> > <http://www.qsl.net/n4xy/gdos.html> has info on your Bud Gimix grid dip
> > meter.
> >
> > Lou W7DZN

Date: Wed, 20 Jun 2001 17:44:16 -0400
From: Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [100612] Wire Fence as Radials
Message-ID: <3B311930.A1249B9@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have plunked my old Butternut HF6V into the ground. Right now I don't have radials, however I have about 4000 ft of 4 ft Paige wire fence around the property. Sounds something like radials to me. Also I have a metal roofed barn and hayshed. Which is better ground mount with radials or up on one of the metal roofs? Should I bond the metal roof to the fence?

As a point of interest, I saw a posting regarding verticals which I regarded with some skepticism. The posting claimed that verticals depended not only on local ground conductivity, but also on remote ground conductivity. My HF6V worked well down near the Pacific, but I thought that was largely due to Vancouver having a lot of rain.
Comments?

Regards John/VE7CFG

Date: Wed, 20 Jun 2001 21:02:08 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-1@lehigh.edu
Subject: [100613] NEQRP CW Net, Thursday, 21 June, 8:30 PM EDT, 3.565MHz
Message-ID: <3B314790.2040F558@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 21 June 2001, at 8:30 PM EDT (0030Z, 22 June 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, K1RC, operating from Dracut, MA.

Net control op for last week's session (June 14) was Dennis, K1LGQ, operating from Brookline, NH. We had a total of 12 participants:

K1CWZ	SPI	Nashua, NH	599
K1CL	Chuck	Chelmsford, MA	599
W1FMR	Jim	Salem, NH	599
N1EI	Charlie	Mansfield, CT	599
KA3WMJ	Ken	Erwinna, PA	599
W1CFI	Paul	Falmouth, MA	599
AA1MY	Seab	Bethel, Maine	599
KD1YV	Jim	Bethel, CT	599
W1PID	Jim	Sanbornton, NH	599
WB1HBE	John	Chelmsford, MA	599
N1ZSW	Ron	Worcester, MA	559
K1LGQ	Dennis	Brookline, NH	Net Control

Dennis reported that "The operating conditions for the net were clear and all signals were loud. There were no other stations on or near the net except for one fellow who called CQ just as the net was about to begin. He graciously said he would slide off and find another frequency. Jim - W1FMR checked and then again with a 599 signal. Jim-KD1YV mentioned that at about 23:00 hours, you could see the ISS (International Space Ship) in the sky. John - WB1HBE got a late start and checked in to be counted. It doesn't matter when you get there...as long as YOU'RE THERE! Good job John. Ron - N1ZSW is still ailing and feeling sick. Hopefully, he's on down side and is getting better by the day, but he did mention he was still sick. Get better RON! There were some really good operators on the net and it's running very smoothly. I m very pleased with the crew we have! When I am net control again, I would be interested in knowing who belongs to FISTS and their numbers."

Stop by on Thursday night at 8:30 and say hello to John and to everyone on the net.

72 de K1CL,
Chuck.

Date: Wed, 20 Jun 2001 21:19:44 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: QRP-L <QRP-L@lehigh.edu>
Cc: Dick Hayter N4HAY <DickHayter@aol.com>
Subject: [100614] Western Carolina QRP FD
Message-ID: <3B314BB0.DBCDA7B3@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The KnightLites will be returning to our first FD site at beautiful Black Balsam Knob. Black Balsam is located near mile marker 420 on the Blue Ridge Parkway in the Shining Rock Wilderness area of the Pisgah National Forest in western NC. We invite anyone who is interested in QRP to consider joining us Sat-Sun, June 23-24 for Field Day.

Those coming from eastern NC via I-40 will intersect the Blue Ridge Parkway on the east side of Asheville. You'll be heading southwest on the Blue Ridge Parkway. Look for the brown forest service sign near mile marker 420 (about an hour's drive SW of Asheville on the BRP) which delineates a right turn to Black Balsam Knob. This is a paved road. After you make the right turn, look for the Art Loeb Trail marker which indicates where the hiking trail crosses the paved road. Visually note that the hiking trail heads uphill to your right. Follow the paved road to the parking lot at the end. (This road is about 2 miles long.) Black Balsam will be the long high ridge to your east. This ridge will be on your right as you approach the parking lot.

Our intended location will be at the summit of Black Balsam Knob, wx permitting.

There are two ways to get to the summit. You can walk due east from the parking lot straight up to the top, or you can walk back up the paved entrance road about 1/4 mile and turn left onto the Art Loeb Trail. I'd recommend the later. It will take you about 20-30 minutes to walk to the summit from the parking lot. As you reach the summit, stay near the Art Loeb Trail. Our antennas will be visible from there, as you can see many miles in any direction from the top. The view is quite beautiful from the top, allowing you to see parts of SC and TN. Mt. Pisgah is

also plainly visible to your NE. Black Balsam is only 200 feet lower than Mt. Mitchell, the highest peak on the East Coast.

The summit area covers several square miles and is classified as a grassy bald. It gets windy up there, so be prepared for 10-25 mph winds during the day.

Bring enough water to keep yourself hydrated. You will be many miles from the nearest grocery store. Also bring sunscreen and sunglasses. At our high elevation you'll burn up a lot quicker than down in the Piedmont. You'll not need to worry about mosquitoes or many other critters at that high elevation. It will also be 15-20 degrees cooler than at home. It will get downright cold at night, so bring a warm sleeping bag. Sleeping out under the stars can be a wonderful experience from the Summit area. The Milky Way literally shouts at you on clear nights. Bring a small tent in case of rain.

We will be in a wilderness camping area. There is an outhouse at the parking area, about 30 minute's walk from our site. The weekend will entail a fair amount of walking, but the FD terrain is not steep or treacherous. Campfires are not allowed at the summit, but cookstoves are fine.

If you have a small station and wish to bring it, please do so. We will not be assigning bands or sending out a detailed list of what to bring. As for camping gear, food, and radio gear, this year's motto will be "Keep it light, keep it simple." Bring what you feel you'll absolutely need--nothing else. If you don't have any radio gear to bring, that's A-OK. We'll enjoy your company, and you'll get some radio time.

N4HAY will be printing up dupe sheets and logsheets. We will be using the KL Club call, WQ4RP. Thanks to Dick for getting the ball rolling for this year's FD.

Anyone wishing to carpool from the Raleigh area can email me. I'll be driving up Friday morning. Some of the other folks will be driving to Asheville Friday night and spending the night in a hotel.

Some of the gang will be bringing family members, and we encourage you to do so if you think they would enjoy the wilderness camping experience. Kids are the future of ham radio.

We hope to see you at Black Balsam Knob for FD Saturday-Sunday, June 23-24.

72 es CU sn, Paul AA4XX

Date: Wed, 20 Jun 2001 18:17:25 -0700
From: Bill Miner <wg6h@postoffice.pacbell.net>
To: Peter_Simpson@ne.3com.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100615] Re: Meters almost gone...and a request
Message-ID: <3B314B25.F426E93C@postoffice.pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Peter,

You are a true gentleman. Thanks for sharing some treasures from the past.

This is what the spirit of Ham Radio is about not trying to sell items like this on e(blank) for profit.

73,
Bill - K6WLM

Peter_Simpson@ne.3com.com wrote:

>
> Well, the KA1AXY meter giveaway is almost history. I haven't
> had any requests for a week or so, and only have a few meters left.
>
> I'm happy about that, and, from what I have heard, those who
> received meters are happy as well. Thanks to QRP-L folks
> for finding new homes for these little guys.
>
> I do have one request. If you got a meter from me, and if you
> have the capability, I'd appreciate an email with a photo of
> the meter in whatever project you built. Don't go to any trouble,
> but if it's easy for you, I'd love to see the meter in its new home!
>
> One gentleman has already sent me a nifty photo of the meter
> used as a background to a portrait...very clever and quite
> artistic.
>
> (If you're in need of a meter, see
> <<http://www.qsl.net/ka1axy/meters/meters.html>>
> for the remaining few!)
>
> 72 and thanks,
> Peter, KA1AXY

Date: Wed, 20 Jun 2001 20:17:47 -0500
From: "George, W5YR" <w5yr@att.net>
To: somerville@uniserve.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100616] Re: Wire Fence as Radials
Message-ID: <3B314B3B.C6272600@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John, with a vertical think of the nearby, local ground properties as affecting the efficiency of the antenna in terms of power lost in ground conduction losses.

The distant ground properties come into play in the far field - beyond the Fresnel zone - where the far field vertical elevation pattern is formed.

This is a highly incomplete and barely accurate pair of statements, but maybe it will help to put things in perspective.

Re what to use for radials, what you are attempting to do is collect as much current as possible with as little loss as possible from the earth in the immediate vicinity of the antenna - assuming a ground mounted antenna. The fence would no doubt work to some extent, as would the metal roof. Try it and see! But likely a fairly large number - 12 to 15 - actuals radials around the base of the antenna would work better.

A problem with fences and roofs, etc. is the usual corrosion and other problems which add up to poor conductivity and more loss and the possibility of non-linear rectification which can generate RFI.

Hard to beat a good set of radials an inch below the soil extending out 0.2 wavelength or so. I have 60 under my HF9V . . .

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Somerville wrote:

>

> I have plunked my old Butternut HF6V into the ground. Right now I
> don't have radials, however I have about 4000 ft of 4 ft Paige wire
> fence around the property. Sounds something like radials to me. Also
> I have a metal roofed barn and hayshed. Which is better ground mount

> with radials or up on one of the metal roofs? Should I bond the metal
> roof to the fence?
>
> As a point of interest, I saw a posting regarding verticals which I
> regarded with some skepticism. The posting claimed that verticals
> depended not only on local ground conductivity, but also on remote
> ground conductivity. My HF6V worked well down near the Pacific, but I
> thought that was largely due to Vancouver having a lot of rain.
> Comments?
>
> Regards John/VE7CFG

Date: Thu, 21 Jun 2001 01:25:58
From: "Michael Herman" <kc9nf@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [100617] fs icom fl100
Message-ID: <LAW2-F60TLoCVY7SUt8000065c4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

icom fl100-706,746 etc. \$85 773-276-6688 days Mike n9nf

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Wed, 20 Jun 2001 21:56:39 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: somerville@uniserve.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100618] Re: Wire Fence as Radials
Message-ID: <5.0.2.1.0.20010620210556.00a04d90@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The rainy Vancouver weather might have helped by improving local ground conductivity somewhat. But you can't beat the Pacific Ocean with a typical sodium chloride content of around 3% and conductivity of many thousands of micromhos. This helps lower the reflection losses during ground (ocean) reflection etc.

It's well known that many DXpeditions to highly sought after islands do surprisingly well with modest antennas because the antennas are mounted right beside a salt water ocean.

Phil

At 05:44 PM 6/20/2001 -0400, Somerville wrote:

>As a point of interest, I saw a posting regarding verticals which I
>regarded with some skepticism. The posting claimed that verticals
>depended not only on local ground conductivity, but also on remote
>ground conductivity. My HF6V worked well down near the Pacific, but I
>thought that was largely due to Vancouver having a lot of rain.
>Comments?
>
>Regards John/VE7CFG

Date: Wed, 20 Jun 2001 20:59:13 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <michaeln@cfl.rr.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100619] Re: Digital Pictures
Message-ID: <002501c0f9f5\$c6e3de60\$52094ed8@rules>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Michael Neverdosky <michaeln@cfl.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 20, 2001 4:27 PM
Subject: Re: Digital Pictures

Howdy Michael,
> At 08:27 PM 06/19/2001, you wrote:
> >The debate between digital cameras and "real" cameras is much
> >like the debate between the Internet and CW.

Ah. Pragmatic thought processes going on here! :^)

> And just as silly.

Yep!

> For pictures that will be displayed on a CRT there is absolutely no
> need or use for the resolution of even a poor film.

Especially when we are talking about -- AHEM! -- rectangular pixels :^).

> There is also rarely a need for more than 640x480 if the pics are
> for web use.

And I sure as heck don't want to be dloading an 800x600 photo on the web :^)

> Good lighting, good composition and choosing
> the right compression system are the keys to good
> pics online. Tip, use gif for line art and schematics.

Yep. GIF still rocks!

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 20 Jun 2001 21:07:48 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Dave Fouchey" <dafouchey@home.com>
Subject: [100620] Re: Digital Pictures
Message-ID: <003301c0f9f6\$f8d42e60\$52094ed8@rules>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Dave Fouchey <dafouchey@home.com>
To: <rules@bellsouth.net>; Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 20, 2001 5:33 PM
Subject: Re: Digital Pictures

Howdy Dave,

> In a word yes, check out either Sky and Telescope or Astronomy magazines
> for instance, they are being used rather extensively.

I kinda figured that this was eventually going to hapen.
I'm afraid to check out Sky & Telescope, though, because
I know I'm going to go "WOW!" and spend an absolute
fortune on a 12" casigrain with a computer-driven polar
mount. LOL! :^)

> Don't get me wrong I love the new gadgets, my Olympus 490Z is a neat little
> camera, but I still love the older 35mm film cameras when I want nice crisp
> photos.

Same here. However, I realize that with the market
going full force toward bettering digital cameras,
it's only a matter of time before they rule the roost.
Is that good? Yep! Is that bad? You bet! Especially if
you have a small fortune invested in the analog world :^).

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 20 Jun 2001 22:35:37 -0400
From: dave <dave@dpomeroy.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100621] ALS-600
Message-ID: <01062022353701.00933@dave>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I'm trying to find a copy of the input ckt for the ALS-600. I'm wondering if
this used the FET's like the Communication-Concepts 600 watt kit. Any help
out there.

Dave Pomeroy K8DNP SouthWestern Michigan

Date: Wed, 20 Jun 2001 23:19:27 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: Michael Neverdosky <michaeln@cfl.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100622] Re: Digital Pictures
Message-ID: <Pine.BSI.4.05L.10106202311360.15667-1000000@vh1.min.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 20 Jun 2001, Michael Neverdosky wrote:

> At 08:27 PM 06/19/2001, you wrote:
> >The debate between digital cameras and "real" cameras is much
> >like the debate between the Internet and CW.
>
>
> And just as silly.
> For pictures that will be displayed on a CRT there is absolutely no
> need or use for the resolution of even a poor film.

Good point...and don't forget that anything more than 75 dpi is overkill and results in bloated web pages.

It's easy to spot the newbie digital photog with little web experience... his page, usually designed to only be viewed with a 17 inch or greater monitor has HUGE graphic files, they take forever to load, and folks who haven't invested in a large monitor get frustrated.

> Good lighting, good composition and choosing the right compression
> system are the keys to good pics online.

Good lighting and good composition are the keys for any good photography. My dad, who won countless competitions, wouldn't let me have a camera until I made my own pinhole camera, learned basic composition and then mastered darkroom skills.....I wanted to kill him 50 years ago....and now we both chuckle about the "learning curve".

>From my perspective, use your "digital brownies", don't get sucked into the technology arguments and learn basic skills.....but that's how one would go about starting in ham radio also.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Wed, 20 Jun 2001 22:02:47 -0500
From: "Randall Jouett" <rules@bellsouth.net>

To: "Rich Mulvey" <rich@mulveyfamily.com>
Cc: <qrp-1@lehigh.edu>
Subject: [100623] Re: Digital Pictures
Message-ID: <006101c0f9fe\$a6f298e0\$52094ed8@rules>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Rich Mulvey <rich@mulveyfamily.com>
To: <rules@bellsouth.net>
Cc: <qrp-1@lehigh.edu>
Sent: Wednesday, June 20, 2001 11:54 AM
Subject: Re: Digital Pictures

Hey Rich,

> CCD cameras have become very common, actually. I built a "Cookbook"
> CCD cam a few years ago for about \$500.00, for use with my Celestar.

I take it that the Celstar is a scope built by Celetron?
They still rule the amateur market?

> In the meantime, there have been a number of
> inexpensive offerings by commercial manufacturers
> with offerings under \$1K.

Ah. Motorized polar mounts under \$1k these days,
huh? Kewl!

> With the advent of very cheap computer controlled GOTO scopes, it's not
> out of the question for an amateur of even modest means to have the
> ability to have their own remote-controlled observatory.

Fantastic, and quit telling me this stuff! I'm already
in too deep into amateur radio, and with all this
great talk that CCD is finally filtering down the
masses cheaply, I'm afraid I'll go pick up a mag
and go ape buying a better scope and accessories :^).

> Some people have even gotten decent results, particularly on planets,
> with cheap \$50 webcams.

Dang. Kewl!

> The ironic thing, of course, is that a mount suitable for CCD imaging
> often costs as much, and frequently twice as much, as the camera, at
> least if you're doing deep-sky work.

Hmmm. I think we should all pool our knowledge
and change that situation, Rich! I've been thinking
about using wind-shield wiper motors for Az, El,
and polar arc for talking to the pac-sat birds.
I'd guess that the same setup could be used to
position a scope and track deep-space objects?
The good thing about windshield-wiper motors
is that they have a lot of torque! They need it
to wipe off snow and tough ice in the nothern
climates. Kewl. :^).

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 20 Jun 2001 23:12:15 EDT
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
Subject: [100624] PW-1 vs. MP-1
Message-ID: <5f.16c8665b.2862c00f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello,

I am gathering some info for a possible future investment :) I am
looking at the SuperAntenna's PW-1 or MP-1. I would like to hear your
personal experience using either antenna, and if you have used both, which
one you like better. Both have their advantages and disadvantages. Of course,
these antennas will probably not out-perform a wire up in a tree, but for
quick portable setups, these antennas sure are winners! The PW-1 looks as
though it would be a little more efficient because of the wider coil.
Something I like about the MP-1 however, is that everything fits inside the
coil for extreme compactness!

I am looking forward to hearing about your experiences!

73 and thanks for your time,

Ben - NW7DX
Redmond, WA

Date: Wed, 20 Jun 2001 20:14:56 -0700 (PDT)
From: Nancy Rabel Hall <kc4iyd@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100625] psk80 cap question - pos. or neg.
Message-ID: <20010621031456.47174.qmail@web14604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey gang,

I have a silly question regarding the psk80 kit I'm building. How do you tell which side is positive and which is negative on the electrolytic capacitors - (blue)? These are c1,c2,c23,c24 and c111, c113. I have a book on identifying parts but it just states that one side of the cap will be marked. Huh?!? Well there is a black arrow pointing toward the leads and a "0" in between it but I don't know if the 0 means + or -. In addition, the lead under the black arrow is also shorter than the other lead.

Thanks/72/73
Nancy
kc4iyd

... to quote Bones McCoy, I'm a research scientist not an engineer.

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Wed, 20 Jun 2001 20:22:31 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: kc4iyd@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100626] Re: psk80 cap question - pos. or neg.
Message-ID: <3B316877.8D060DC2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The long lead is positive.

Phil W70X

Nancy Rabel Hall wrote:

>
> Hey gang,
>
> I have a silly question regarding the psk80 kit I'm
> building. How do you tell which side is positive and
> which is negative on the electrolytic capacitors -
> (blue)? These are c1,c2,c23,c24 and c111, c113. I have
> a book on identifying parts but it just states that
> one side of the cap will be marked. Huh?!? Well there
> is a black arrow pointing toward the leads and a "0"
> in between it but I don't know if the 0 means + or -.
> In addition, the lead under the black arrow is also
> shorter than the other lead.
>
> Thanks/72/73
> Nancy
> kc4iyd
>
> ... to quote Bones McCoy, I'm a research scientist not
> an engineer.
>
> -----
> Do You Yahoo!?
> Get personalized email addresses from Yahoo! Mail
> <http://personal.mail.yahoo.com/>

Date: Wed, 20 Jun 2001 23:30:14 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [100627] Field Day Rule Question
Message-ID: <3B316A46.7CBEB7A7@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This, I guess would fall within a letter or spirit of the law category.
Specifically we are talking about what would amount as a Class
1B-Battery station. Portable rig under 5 watts, battery power, random
wire thrown in a tree. If a person were to take such a setup and go out

into their back yard, making no use of any permanent station hardware, antennas or mains power sources, would they still qualify as 1B-Battery??? I guess the question is how far away do you have to go from your "real world" ham station to count as something other than Class E???

--

+++++

T.J. "SKIP" AREY N2EI

Elecraft K2 #945 & K1 #717

Specialization is for insects! LAZARUS LONG

Date: Wed, 20 Jun 2001 23:42:57 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <kc4iyd@yahoo.com>
Subject: [100628] Re: psk80 cap question - pos. or neg.
Message-ID: <007101c0fa04\$440511d0\$f6c73ad0@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On these caps, Nancy, the longer lead is POS.

Additionally, the "0" you see in the heavy arrow stripe down the side of the cap is really a "-" (negative sign) kinda isolated from the rest of the dark arrow. In other words, the arrow points to the NEG lead.

Good luck with the rest of the components, and don't hesitate to ask!

73, George N2APB

=====

... How do you tell which side is positive and which is negative on the electrolytic capacitors - (blue)?

Date: Wed, 20 Jun 2001 23:51:33 -0400
From: Pete Burbank <plburbank@kih.net>
To: somerville@uniserve.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [100629] Re: Wire Fence as Radials
Message-ID: <5.0.2.1.0.20010620232811.00a8fba0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:44 PM 6/20/2001 -0400, Somerville wrote:

>I have plunked my old Butternut HF6V into the ground. Right now I
>don't have radials, however I have about 4000 ft of 4 ft Paige wire
>fence around the property. Sounds something like radials to me. Also
>I have a metal roofed barn and hayshed. Which is better ground mount
>with radials or up on one of the metal roofs? Should I bond the metal
>roof to the fence?

>

>As a point of interest, I saw a posting regarding verticals which I
>regarded with some skepticism. The posting claimed that verticals
>depended not only on local ground conductivity, but also on remote
>ground conductivity. My HF6V worked well down near the Pacific, but I
>thought that was largely due to Vancouver having a lot of rain.
>Comments?

>

>Regards John/VE7CFG

John and gang

Sri for the complete quote but it helps contribute to the sense.

I have used verticals for over 40 years and agree with all the comments so far.

Last summer I used a rusty 1000ft+++ fence in the 20 Meter Foxhunt

and it worked great. Kentucky is very rocky so lots of wire is a plus.

My 14AVS in S.C. worked great into Europe with few radials due to salty soil at

1.8 Watts. Try some different things and just wing it for the best combination.

If you use the roofs, mount the Ant high above and carefully bond to the
fences.

Or better yet. mount a vertical on each roof and look into phasing them.

I would welcome your situation for some fun experimentation.

Have Fun ...73 Pete NV4V Kentucky

Date: Wed, 20 Jun 2001 23:10:02 -0500

From: "George, W5YR" <w5yr@att.net>

To: n2apb@erols.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [100630] Re: psk80 cap question - pos. or neg.

Message-ID: <3B31739A.306F713D@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Just a tip from another George:

An old-timer's test for a cap that may be unmarked or to evaluate its capability to "take a charge" is to measure the resistance with an analog ohmmeter. Remember that on most such meters, the black or negative lead actually has a positive voltage on it in ohmmeter mode, relative to the red or positive lead.

Connected one way you will see the cap show almost a zero resistance and then quickly the reading will go toward a very high resistance. This will be with the black lead to the + terminal and red lead to the - terminal.

Connected the other way, you might see either a low or a high but essentially constant reading.

If you don't see the former behavior, then the cap is probably either shorted or no good.

Just another way to help with vague or missing markings, etc.

Note that this is not the way to go with a DMM. They do resistance measurements a different way, but many DMMs have a capacity scale which can help. For these, connect the red lead to the + terminal, etc.

Modern test equipment for caps - especially electrolytics and the like - measure the ESR: Effective Series Resistance. This can be done with the cap in circuit, but with power off. The ohmmeter and DMM approaches require that the cap have no other connections during the test.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

George Heron N2APB wrote:

>
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>
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> arrow. In other words, the arrow points to the NEG lead.
>
> Good luck with the rest of the components, and don't hesitate to ask!
>
> 73, George N2APB

Date: Thu, 21 Jun 2001 00:13:18 EDT
From: DYARNES@aol.com
To: BenNW7DX@aol.com, qrp-1@lehigh.edu
Subject: [100631] Re: PW-1 vs. MP-1
Message-ID: <ae.16a4fa73.2862ce5e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 6/20/2001 8:13:34 PM US Mountain Standard Time,
BenNW7DX@aol.com writes:

<< I am gathering some info for a possible future investment :) I am
looking at the SuperAntenna's PW-1 or MP-1. I would like to hear your
personal experience using either antenna, and if you have used both, which
one you like better. Both have their advantages and disadvantages. Of
course,
these antennas will probably not out-perform a wire up in a tree, but for
quick portable setups, these antennas sure are winners! The PW-1 looks as
though it would be a little more efficient because of the wider coil.
Something I like about the MP-1 however, is that everything fits inside the
coil for extreme compactness!
I am looking forward to hearing about your experiences! >>

Hi Ben and All,

Ben, you have focused on the right things about each antenna. As Vern Wright
himself would probably tell you, the PW-1 may be a "hair" more efficient
(higher Q), but both antennas seem to work very well from all the tests folks
have made. Now neither one will outperform larger antennas, but I can tell
you from experience that they both do a very good job when conditions are
reasonable.

I personally used my PW-1 on a trip to Europe last summer, operating from our
stateroom balcony with my NorCal 20. I made scads of very good contacts
around Europe, and also worked a few stateside stations.

This past spring, after I added the MP-1 to my arsenal, I worked a number of
good DX contacts from my back patio. Then I took it out on a golf outing
with Ron, KU7Y, and we worked a bunch of DX stations on 10 meters (with my
FT-817) from the golf cart. Got good reports too, and confirmed the reports
were real and not "contest" reports in several instances.

Then in April I took the same set-up to Arkiecon, and used the MP-1 from my
motel room--attached to the window with the "C" clamp (supplied), and worked
about a dozen european stations on 20 meters over a 2 day period.

Clearly, these antennas works! I've been impressed--you might even say surprised--at how well they do work. But you do need reasonable conditions and a decent set-up and reasonable expectations. If it is practical, I would use a better antenna, but so very often it isn't practical! That's why I have these antennas, and I'm not parting with them anytime soon!

By the way, I don't think Vern is going to make the PW-1 anymore. At least he was talking about dropping it because everyone seems to prefer the MP-1 due to it's increased convenience.

One of these days I'm going to run a side by side test (PW-1 vs. MP-1), but in all honesty I doubt there will be any noticeable difference.

Good luck.

Dave W7AQK

Date: Thu, 21 Jun 2001 00:46:03 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [100632] Re: Digital Pictures
Message-ID: <Pine.BSF.4.33.0106210009230.65163-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sure have been a lot of interesting here lately on the subject.

The tip of taking out in the Shade was of particular interest. While I don't have a Digital Camera (Yet !), I always found that Natural Light was preferable in most cases. I have to laugh when I think of all of the rolls of Tri-Ex run thru the SLR. Most all Available Light. Hey, The Film was free. Contrary to popular usage, You can get more than 36 Pics on a roll when you load it yourself.

I f you really want to do Your Macro Photography Outside, Think about one of these Carport Frames and Tarp Cover combos. You can always use light canvas and or a couple of sheets if you want a bit more light. Of course some areas of the country will need heavy Canvas to reduce some of the light. NOT mentioned, was the surface behind the object. I like a plain white terrycloth towel, but a Sheet will also work. People often forget the background which Reflects light back to the lens as well.

I guess we all have opinions, but I an sure of one thing, My Current Olympus 35 MM is smarter than I am, I just put it on Automatic and let it rip. :^) The One BIG Drawback of the Film Camera is that we tend to

forget to have the film developed, or have to wait til I can finish off this roll. :^) At the current rate It takes about a year to do 36 shots :^)

I really enjoyed one of Bruces' comments on Resolution. "It isn't any good if you can't read the identification on the components."

I would certainly agree with that thought if you are talking about Technical photos of Equipment. I am trying to recall who it was that built all of his QRP Gear with that in mind. He was almost Religious about the rules for installing Components. All R's & C's installed so as to be read from Left to Right, With the Component Values Always Visable.

Rather like some of the old pictoral Assembly Diagrams. If they were done well, you could reconstruct one from the pictures alone.

Yes, Film will beat the pants off of Digital, For Now, but Not forever.

Besides, Digital is so much quicker to get it into the computer.

I think it is really a question of what are you trying to achieve. Put some pix of your favorite project or toys on the Web, of Do some Photos for National Geographic? You might be surprised as to how many of those NGS Pix are Digital. OTOH they can afford those \$ 10K Digital Boxes.

Speaking of the Digitals, I went to a 50th Wedding Anniversary Party for an old friend at church this past weekend. His Son Had digitized their whole family album and put it on a CD-Rom, I think He used Print Shop Photo something or other. It was the most fantastic bit of work I have seen in a long while. I don't recall hearing any one comment on the lack of resolution of the photos, etc. It was a mix of film and Digital converted to Digital. I could not tell which were which. Did I mention that these were also projected on a large screen and ran continuously along with Music.

It goes to show that you can do some pretty neat stuff with a few K buck of hardware.

I thought of going that route for my Family History Library and Book, it is only a matter of money now.

The Future is here my friends. Guess I had better head for the bookstore and pick up a copy of Digital Photography for Dummies! :^)

Said jokingly, but I will not be surprised if the book is on the shelf..

Guess I could have said all this with one Photo. :^)

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Wed, 20 Jun 2001 22:44:29 -0700
From: "David B. Rogers" <dr7zyq@nidlink.com>
To: kandrparker@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100633] Re: Need a little ID help!
Message-ID: <3B3189BD.25F69463@nidlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It looks like an absorption wave meter. Sort of a primitive
frequency meter for testing for signal output. Slightly
better than drawing an arc with a pencil. Hi!

David, WA7ZYQ

ZOOM wrote:

>
> Hi;
> A little unrelated but still a radio accessory. Does anyone know what this
> is? I'm guessing it's a frequency meter! Also does anyone have a manual or
> a copy of one?
> I figure i would send this out since this group is very knowledgeable and
> I'm sure many of you have used or seen this item. Approximate date of
> manufacture and proper way to use it would be helpful to.
>
> <http://valveman.tripod.ca/Gimix.jpg>
>

> Thank you
> Robert
> VE3RPF

--

"It's a damned poor mind that can only think of one way to
spell a word."

Andrew Jackson

Date: Thu, 21 Jun 2001 19:54:40 +0900
From: Junichi Nakajima <nakaji@crl.go.jp>
To: qrp-1@Lehigh.EDU
Subject: [100634] Re: 2N2222 receiver
Message-ID: <200106211051.TAA02564@ryuu.>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Another possibility is the Herring Aid.
You can see the nice receiver in the
Back to the Future Project in Nocal site.

GL72

JL1KRA/QRP Junichi Nakajima

Date: Thu, 21 Jun 2001 03:47:58 -0700
From: "David B. Rogers" <dr7zyq@nidlink.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [100635] Re: Need a little ID help!
Message-ID: <3B31D0DE.FE918F82@nidlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That should be "drawing a spark with a pencil." Sorry.

David, WA7ZYQ

"David B. Rogers" wrote:

>

> It looks like an absorption wave meter. Sort of a primitive
> frequency meter for testing for signal output. Slightly

> better than drawing an arc with a pencil. Hi!
>
> David, WA7ZYQ
>
> ZOOM wrote:
> >
> > Hi;
> > A little unrelated but still a radio accessory. Does anyone know what this
> > is? I'm guessing it's a frequency meter! Also does anyone have a manual or
> > a copy of one?
> > I figure i would send this out since this group is very knowledgeable and
> > I'm sure many of you have used or seen this item. Approximate date of
> > manufacture and proper way to use it would be helpful to.
> >
> > <http://valveman.tripod.ca/Gimix.jpg>
> >
> > Thank you
> > Robert
> > VE3RPF
>
> --
> "It's a damned poor mind that can only think of one way to
> spell a word."
>
Andrew Jackson

--
"It's a damned poor mind that can only think of one way to
spell a word."

Andrew Jackson

Date: Thu, 21 Jun 2001 08:32:10 -0400
From: "Lau, Zack, W1VT" <z1au@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [100636] Re: Field Day Rule Question
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9F07@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I've operated from the Town park on the other side of the property line.
--Zack W1VT

Date: Thu, 21 Jun 2001 06:50:19 -0600
From: "AB0CD" <ab0cd@uswest.net>

To: "cqclist" <CQCLIST@EGROUPS.COM>, "QRP-L" <qrp-l@Lehigh.edu>
Subject: [100637] CQC Field Day Stations
Message-ID: <004901c0fa50\$bfcd3bc0\$a29ca0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Colorado QRP Club hopes to work many of you on the air during Field Day.
CQC maintains two Field Day sites:

W0CQC - 3A Battery - Location: Rampart Range SW of Denver

AB0CD - 2A Battery - Location: SE of the Denver Metro Area

CU on the air.

72 Dick AB0CD..

Date: Thu, 21 Jun 2001 13:50:09 +0000
From: Bill Walker <kd7jzb@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [100638] AZScQRPions meeting?
Message-ID: <01062113500900.01082@deneb.localdomain>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Could someone please tell me the date, time and place of the next AZScQRPions meeting?

I live in Tucson and would like to meet some other QRP'ers but am not aware of a qrp club here, so off to Phoenix I go. :-)

I seem to remember someone mentioning once that the meeting place is in a restaurant across from HRO. I know where HRO is if that makes it easier to give directions.

Tnx much.

72,

--

Bill Walker - KD7JZB
<http://www.qsl.net/kd7jzb/>

Date: Thu, 21 Jun 2001 10:01:18 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100639] CQ Gary NQ7T
Message-ID: <200106211001_MC3-D6A0-63C1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Looking for Gary NQ7T and cannot locate his e-mail address. Gary? Anyon=
e
else help? Thanks much.

73,
--Doc/K0EVZ

Date: Thu, 21 Jun 2001 10:20:24 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: dodgeboy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100640] Re: FD computer logging/keying question
Message-ID: <3B3202A8.F65139AE@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Benham wrote:

>
> As I scramble to prepare for our club's splinter group QRP FD outing with
> K2, 817, Index, etc., a possible problem occurred to me.
>
> If you are operating FD with some sort of non-commercial power, I know it is
> legal to log with computers which are using commercial power. However, what
> about these software packages which combine logging with CW sending
> (QRPDupe, WR9R, etc.)? If you had a computer doing logging and a separate
> iambic keyer doing the sending, the keyer would have to be operating off
> non-commercial power, wouldn't it? That being the case, wouldn't it
> technically be cheating to use a commercially powered computer to do the
> sending while it logs?

I think the League has already ruled on your question, and it's as you suspect. If the computer operates the radio in any way (keying, frequency control, etc.), it must be run from non-commercial power. If the computer is used strictly for logging, commercial power is OK.

Date: Thu, 21 Jun 2001 10:28:44 -0400
From: "elawson" <elawson@lawson-philpot.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100641] Non QRP FS--718
Message-ID: <005c01c0fa5e\$7a948f00\$0e01a8c0@office.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finally decided to go for K2 and need to sell rig.
ICOM 718 with 500Hz filter. Nearly new and all FB.
Nice little rig and it has bagged its share of DXexpeditions
over the past few months. \$650 CONUS

Ed Lawson
K1VP
NH

Date: Thu, 21 Jun 2001 10:36:22 EDT
From: Shephed@aol.com
To: <qrp-l@lehigh.edu>
Subject: [100642] Note to all clubs and FD ops!
Message-ID: <61.f701f82.28636066@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The Flying Pigs QRP Club will be putting together a special edition of our newsletter (Bacon Bits) for FD-2001.

You can get your club, group, or just yourself in this special edition by sending an article (and 1 or 2 pictures) about your Field Day adventures to my other e-mail account, N8IE@AOL.COM

As with all issues of the Bacon Bits, it will be in Adobe PDF format and posted on our webpage for all to download.

>From all of us in the Flying Pigs, we wish everyone a great FD!

72, oo
Dan, N8IE
FPqrp #6

Date: Thu, 21 Jun 2001 14:38:52 +0100
From: <don.chisholm@home.com>
To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100643] Re: FD computer logging/keying question
Message-ID: <003601c0fa57\$832654c0\$6401a8c0@roalok1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interseing question, Dave.

I am our club's "Field Day Czar" this year. We run a major QRP operation and run batteries for all of our stations. One station chairperson asked the same question - if he could run his logging computer from the generator power. Some (at times, heated) discussion ensued, and these points were brought up:

A - computer logging is ancillary to the FD effort - unlike a transceiver, you do not really need it

B - many (even most) FD operations involve the "radio operator" keeping a manual (paper) log and an additional person doing the computer logging (either after the QSO or in real time if they copy CW and if they do, why the heck are they logging?)

C - some operators (myself included here) prefer to operate and make QSO's from the keyboard using a CW interface of some kind - I simply forego the paper log and put everything into the computer at once in real time - this eliminates the need for a secoond operator/logger

D - computer logging sure makes the operator/logger's dupe checking job lot faster and easier

E - computer logging sure makes the chairperson's score computation job a lot faster and easier

F - computers are necessary for digital stations - those operating RTTY, PSK, etc. (for obvious reasons)

G - some CW stations have a memory keyer and paddle connected to the rig for operations

H - many of those who use the computer have both the memory keyer AND the computer CW interface; if the generator fails and the computer goes down, operations will seamlessly continue, but with a manual log

I - some stations have no external keying equipment whatsoever - we use ONLY the computer CW keying features, including interfacing a paddle to the LPT port (whoever operates the 20m CW station MUST learn to use the computer to do so); if the generator fails, QSO's cannot be made (without removing the paddle, sticking it in the key port on the rig, and sending straight-key style with only one side of it :-))

J - Field Day 2001 Rules section 4.1 (club/non-club portable) states that "[a]ll contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains" meaning that the logging computer does not really matter.

K - Field Day 2001 Rules section 4.2 (battery) states that "all contacts must be made using an output power of 5 watts or less and that the power source must be something other than commercial mains or motor-driven generator (e.g.: batteries, solar cells, water driven generator). Other provisions are the same for regular Class A."

Discussion:

Our discussion concluded that the equipment to be powered from the power source was limited in requirements to "transmitter(s) and receiver(s)" so we could run logging computers from the generators.

Conclusion:

- Stations who rely on the computer as a central, integrated, and necessary piece of equipment in order to make QSO's (as well as log them) MUST run it from a battery-only power source. This includes any "digital" stations and any CW stations as described in H above because, in both cases, the computer is an integrated and necessary extension of the transceiver.

- Stations who use the computer simply as a redundant log, useful only for faster dupe checking for the operator, may run it from a non-battery source.

I hope this helps.

73

Don

WX3M

Don Chisholm

don.chisholm@home.com

----- Original Message -----

From: "Dave Benham" <dodgeboy@mindspring.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, June 20, 2001 2255

Subject: FD computer logging/keying question

> As I scramble to prepare for our club's splinter group QRP FD outing with
> K2, 817, Index, etc., a possible problem occurred to me.

>

> If you are operating FD with some sort of non-commercial power, I know it
is

> legal to log with computers which are using commercial power. However,
what

> about these software packages which combine logging with CW sending

> (QRPDupe, WR9R, etc.)? If you had a computer doing logging and a separate

> iambic keyer doing the sending, the keyer would have to be operating off

> non-commercial power, wouldn't it? That being the case, wouldn't it

> technically be cheating to use a commercially powered computer to do the

> sending while it logs?

>

> My club's name shall remain anonymous until I have a clear ruling. :)

>

> Thanks.

>

> Dave K8TRF

>

Date: Thu, 21 Jun 2001 10:48:06 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [100644] RE: Field Day Rule Question

Message-ID: <125490A005E3D3118C9C00805FC743CC023B32B3@KAHLESS>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

And WA1MBK (now KE1HP) and I operated from his backyard. We set up an
entirely new station, with new antennas in the trees, and felt perfectly
okay with that. What the rules don't cover is, IMHO, up to the personal
standards of the operators. Clearly, mine are pretty low. :-)

73,
Ed Hare, W1RFI

> -----Original Message-----
> From: Lau, Zack, W1VT [mailto:zlau@arrl.org]
> Sent: Thursday, June 21, 2001 8:32 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Field Day Rule Question
>
>
> I've operated from the Town park on the other side of the
> property line.
> --Zack W1VT
>

Date: Thu, 21 Jun 2001 08:55:59 -0600
From: "Jerry McCollom" <w0mc@club-pre.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [100645] Re: FYI: Great Atomic Clock at SAMS...
Message-ID: <007f01c0fa62\$4aa8f660\$baac11d8@dsl.frii.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi again folks,

I had a couple queries on my post, so I thought I'd follow up with some extra details...

- * The barcode number (and presumably SKU) is 47404 86712.
- * It says it is "Model 86712" and it is distributed by SWC of Bentonville, AR.
- * Runs on 2 AAs and the temperature sensor runs on 2 AAAs.
- * I forgot this important detail: It does 12 or 24 hr format!
- * Small correction on time zones: it does GMT through GMT -12, including AL and HI timezones.

73,

Jerry
W0MC
Fort Collins, CO

SuperFest 2001 14-Jul-2001 *** <http://www.qsl.net/n0rc/hamfest> *** BE
THERE!

Date: Thu, 21 Jun 2001 11:09:02 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <w0mc@club-pre.org>
Subject: [100646] Re: FYI: Great Atomic Clock at SAMS...
Message-ID: <010801c0fa64\$1f37d440\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wonder if it has the annoying feature my MFJ-123 clock has ...

You can set it to zero so it show GMT, but along comes Daylight Savings Time and it changes to DST. There is a button that allows you to change to Standard Time, but the next time it synchs with WWV, it changes back to DST. The only way I've found around it is to change the time zone twice a year. Pretty annoying.

Otherwise the MFJ clock is a nice one ... large letters, mostly runs off solar cells with a battery backup so the display is generally powered by the room lights, not bad looking ...

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Jerry McCollom" <w0mc@club-pre.org>
Subject: Re: FYI: Great Atomic Clock at SAMS...

Date: Thu, 21 Jun 2001 09:18:02 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: <wb8rcr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100647] Re: FYI: Great Atomic Clock at SAMS...
Message-ID: <005001c0fa65\$5d516470\$6401a8c0@c919125b>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

I have one too. As near as I can figure the DST feature on this clock
can be disabled!

It's a very cool clock!

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

----- Original Message -----

From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, June 21, 2001 9:09 AM
Subject: Re: FYI: Great Atomic Clock at SAMS...

> I wonder if it has the annoying feature my MFJ-123 clock has ...
>
> You can set it to zero so it show GMT, but along comes Daylight
Savings Time
> and it changes to DST. There is a button that allows you to change
to
> Standard Time, but the next time it synchs with WWV, it changes back
to DST.
> The only way I've found around it is to change the time zone twice a
year.
> Pretty annoying.

Date: Thu, 21 Jun 2001 11:27:53 -0400
From: "Mark J. Dulcey" <mark@buttery.org>

To: don.chisholm@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [100648] Re: FD computer logging/keying question
Message-ID: <3B321279.B656BA5@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

don.chisholm@home.com wrote:

>
> B - many (even most) FD operations involve the "radio operator" keeping a
> manual (paper) log and an additional person doing the computer logging
> (either after the QSO or in real time if they copy CW and if they do, why
> the heck are they logging?)

1. The station has more CW ops than it can use. (Lucky station!)
2. The logger is a junior CW op, learning technique from a master.

Date: Thu, 21 Jun 2001 09:39:25 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@neale.gpfn.sk.ca>, Heathkit <heathkit@qth.net>
Subject: [100649] newbe
Message-ID: <Pine.LNX.4.33.0106210936500.31052-1000000@neale.gpfn.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...can anyone help Danial please with his question about using an
HW-8 on PSK-31 and/or rtty?....thank you....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

----- Forwarded message -----
Date: Thu, 21 Jun 2001 11:08:16 -0400
From: Danial Sloane <dsloane@ca.inter.net>
To: rattray@gpfn.sk.ca
Subject: newbe

Hi Bruce I have been a ham for about 12 years and have spent most of my
time on hf . My Dad got his ticket at the age of 75 and I am very proud of
him,! he is now 81 and not able to do too much but he likes to watch me do
my thing the one thing that he did do was build a qrp rig the hw8 and I
have caught the qrp bug. I spend a lot of time in digi mode using psk31

and some rtty I have some soldering ability but my tech knowledge is limited my question is can psk31 or rtty be used on a heathkit hw8 or does their have to be some changes made and if so do you know what they are?. I think what you are doing on the net is great and I hope some time to be able to contact you in qrp mode on the air sometimes....73 Danial VE3TVB

Date: Thu, 21 Jun 2001 10:46:54 -0500
From: "George, W5YR" <w5yr@att.net>
To: dr7zyq@nidlink.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [100650] Re: Need a little ID help!
Message-ID: <3B3216EE.83A7D6CC@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No, it is actually "drawing an arc . . ." I used to tune up a long wire, end-fed, by drawing a sustained *arc* off the tank coil and holding it while I tuned for maximum arc length.

It worked! And a lot of countries besides . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"David B. Rogers" wrote:

>

> That should be "drawing a spark with a pencil." Sorry.

Date: Thu, 21 Jun 2001 09:00:04 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [100651] _ham radio_ on CD
Message-ID: <F1531B6gVs1tIzmQVuR0000746c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

It had been in the works for a while, but it's happened:
ham radio is now out on CD. When I saw it on the ARRL

web page I didn't even look at the price. I placed my order, and got a package in the mail yesterday.

The format is the same as the QEX Collection CDs. Each page is scanned (TIFF or JPEG), and the access software finds the right pages and provides an index.

The cover of the 1st issue (February 1968) highlights a homebrew 5 band SSB exciter. Other articles featured on the cover are an IC regulated power supply, a remotely tuned 10 meter beam, a transistor curve tracer and double-balanced mixers.

CQ own the rights but the ARRL are selling the CDs. Dunno.

I'm getting quite a collection of CD compilations (SPRAT, QEX, assorted other ARRL, now ham radio), and find them handy. The indexing alone is far better than the paper copies could ever provide. Not to mention the savings in shelf space.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Thu, 21 Jun 2001 16:32:38
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: rattray@gpfn.sk.ca, qrp-1@Lehigh.EDU
Subject: [100652] Re: newbe
Message-ID: <F1180Gai4omRXf2LTrp0000988b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Practically speaking, no to both. Definitely not PSK-31 due to stability issues to start with. Rtty may be marginally possible with mods to allow direct FSK. Consider getting a Warbler for PSK-31.

73 - Mike WA8BXN

>...can anyone help Danial please with his question about using an
>HW-8 on PSK-31 and/or rtty?....thank you....
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 21 Jun 2001 11:42:37 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [100653] Re: 5A0HV QSL route?
Message-ID: <200106211643.MAA27858@johnson.mail.mindspring.net>

Bob Nielsen writes:

> The only recent 5A other than 5A1A that I am aware of was
> 5A24PA in March 2001. Are you sure you didn't work HA0HV?

The possibility has occurred to me. I remember listening for a while to make sure it was really coming through as a "5". Might be a pirate, or maybe HA0HV's keyer or bug was running away from him/her.

I did have an opening to Africa, though. Worked TZ6DX and ZS6Z in nearly the same time slot. On the other hand, HA7UG, HA7LK, and HG0NAR are in the log just 15 minutes earlier too. I did think Libya must be quite a prize if it was real. Oh well...

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 21 Jun 2001 12:52:59 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [100654] Re: is there a best way to start building a kit?
Message-ID: <001b01c0fa72\$a7e82ac0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A bit of a clarification here...

I originally said:

> Finally, any transformers I ALWAYS ohm out BEFORE I mount them,
> then again after I mount them. ESPECIALLY if I had to wind it myself
> or if I had to scrape enamel wire, just to make sure that I scraped it
> well enough and the solder made a good connection.

By that I meant BOTH the part and the board. I want to know for sure that I understand the wiring of any transformer before I mount it.

And by the board I need to know what the 'board' will appear to my meter BEFORE I mount the part. It does me little good if the board appears as a short before I put the part down and then drop in the part.

What I'm really looking for here is a verification that when I drop the part onto the board, it makes a GOOD connection with the board. And I do that by checking the BOARD to BOARD connection with a meter THROUGH the transformer (or coil) after it's mounted. I've even been known to 'lift' another part or cut a trace if I have to. Although on a PCB as nice as came with my K2, I'd have a heart attack if I had to cut a trace to check something!

Mike

Date: Thu, 21 Jun 2001 13:57:17 -0400
From: Marcus Harton <MHarton@freedomforum.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [100655] Old Zener Diode Search
Message-ID: <9BA8EA456304D311BD800008C7918566027E82B0@mailsrv.freedomforum.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi all,

I'm trying to fix a problem with a Tempo 2020 that serves as my multi-band qrp rig with the drive down low. The trouble is a bad zener diode that stabilizes the screen voltage on the rig's 6146 finals. The diode is physically a single stud mount, but the schematic shows the case contains two zeners in series. I'll confess I do not understand the significance of the two zeners in series.

The diode(s) are described several different ways in the manual: 1s298 x 2 or td86 x 2 or dz750522a. The radio is old enough that I'm not finding modern equivalents or spec sheets for any of those numbers.

I've gotten some advice from other postings on other lists, including one very helpful one from Ed Tanton, n4xy of this list. The advice I'm getting is to try some zener values that are in line with customary screen voltages for the 6146. I'm about to give that a go, but wanted to give locating an exact replacement another try.

Anyone got any '70's vintage parts books that might contain the breakdown voltage of that zener? Thanks for any assistance you can offer.

72,
Marcus nz4e
qrp-l #184

Date: Thu, 21 Jun 2001 14:36:11 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@Lehigh.EDU
Subject: [100656] Re: Old Zener Diode Search
Message-ID: <3B323E9B.DD905A08@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1s298 crosses to ECG5221, a 105 volt 10 watt zener. The reason for 2 in series is to regulate the screen grid at 210 volts, it's just to double the voltage rating of the zener. Are you sure the diode is bad? Usually if they fail, they fail shorted, so unless it reads a dead short, chances are good that the diode is OK.

If you need to replace them, Mouser Electronics has them for \$4.05, www.mouser.com

Good luck, hope this helps

Fran Flynn Km1z

Date: Thu, 21 Jun 2001 13:45:19 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'MHarton@freedomforum.org'" <MHarton@freedomforum.org>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [100657] RE: Old Zener Diode Search

Message-ID:

<E78D8A9D6762D411B5440008C791D4AA04A49C1A@dfwex03.allegiancetelecom.com>

MIME-Version: 1.0

Content-Type: text/plain

Marcus,

Does your manual have (in addition to the schematic) a trouble-shooting section? Usually, there is a tube-by-tube, pin-by-pin voltage chart included as part of the guide. If so, then you'll know what voltage you should see on the screens of your 6146 finals; otherwise, Ed's suggestion is best: check the ARRL hand book for recommended screen volts and find however many zener diodes it takes to equal that voltage.... that's a gross simplification, of course...

Karl K - W8TIF

McKinney, Texas

> -----Original Message-----

> From: Marcus Harton [SMTP:MHarton@freedomforum.org]

> Sent: Thursday, June 21, 2001 12:57 PM

> To: Low Power Amateur Radio Discussion

> Subject: Old Zener Diode Search

>

> Hi all,

>

> I'm trying to fix a problem with a Tempo 2020 that serves as my multi-band
> qrp rig with the drive down low. The trouble is a bad zener diode that
> stabilizes the screen voltage on the rig's 6146 finals. The diode is
> physically a single stud mount, but the schematic shows the case contains
> two zeners in series. I'll confess I do not understand the significance of
> the two zeners in series.

>

> The diode(s) are described several different ways in the manual: 1s298 x 2
> or td86 x 2 or dz750522a. The radio is old enough that I'm not finding
> modern equivalents or spec sheets for any of those numbers.

>

> I've gotten some advice from other postings on other lists, including one
> very helpful one from Ed Tanton, n4xy of this list. The advice I'm getting
> is to try some zener values that are in line with customary screen
> voltages
> for the 6146. I'm about to give that a go, but wanted to give locating an
> exact replacement another try.

<snip>

Date: Thu, 21 Jun 2001 14:48:13 -0500
From: "Aartec" <aartec@dwx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [100658] FD in Southern Wisconsin?
Message-ID: <000b01c0fa8b\$1b5187a0\$449fef3f@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be visiting the in-laws in Beloit WI this weekend and would love to be able to sneak away for a while and visit a Field Day site. If you are in southern WI or northern of IL and wouldn't mind having a visitor stop by please send me an e-mail. Thanks.

72

Jerry

W0PWE

w0pwe@qsl.net

<http://www.qsl.net/w0pwe>

Date: Thu, 21 Jun 2001 16:24:13 -0400
From: Marcus Harton <MHarton@freedomforum.org>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [100659] RE: Old Zener Diode Search
Message-ID: <9BA8EA456304D311BD800008C7918566027E82B2@mailsrv.freedomforum.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Fran, Thanks for the education on zener's in series and for cracking the old zener code. Karl, my manual's troubleshooting chart doesn't have pin by pin voltages for the tubes. There may be better manuals out there, though. The ones I've got are photocopies made by an aftermarket manual service.

72,

Marcus nz4e

Date: Thu, 21 Jun 2001 17:31:07 -0400
From: Pete Burbank <plburbank@kih.net>
To: MHarton@freedomforum.org, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [100660] RE: Old Zener Diode Search
Message-ID: <5.0.2.1.0.20010621172209.00a8c030@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:24 PM 6/21/2001 -0400, Marcus Harton wrote:

>Fran, Thanks for the education on zener's in series and for cracking the old
>zener code. Karl, my manual's troubleshooting chart doesn't have pin by pin
>voltages for the tubes. There may be better manuals out there, though. The
>ones I've got are photocopies made by an aftermarket manual service.

>

>72,

>Marcus nz4e

Marcus,

The '85 Handbook lists typical operation. for the 6146 AND 6146a:

6146 plate 500 V @ 135 mA....screen 170V @ 9 mA

The A is 750/120 and screen is 160V @11mA.

73 Pete NV4V

PS watch out around the plate cap....it really hurts!!! :-)

Date: Thu, 21 Jun 2001 15:00:13 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [100661] Re: SMK-1 kits sold out
Message-ID: <20010621150013.A2735@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

If anyone missed out, but feels that they absolutely have to get one, I have an unbuild SMK-1 which I ordered last year while in the middle of a move and I still haven't gotten things organized enough to get around to it (\$34 that I paid + shipping).

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Thu, 21 Jun 2001 18:39:24 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@Lehigh.EDU
Subject: [100662] RE: Old Zener Diode Search

Message-ID: <3B32779C.55504412@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One other thought, if the diodes are damaged, there may be another reason why, like a bad 6146.

If you're poking around with the power on, make sure your life insurance is paid up.

End of QRP-L Digest 2227

